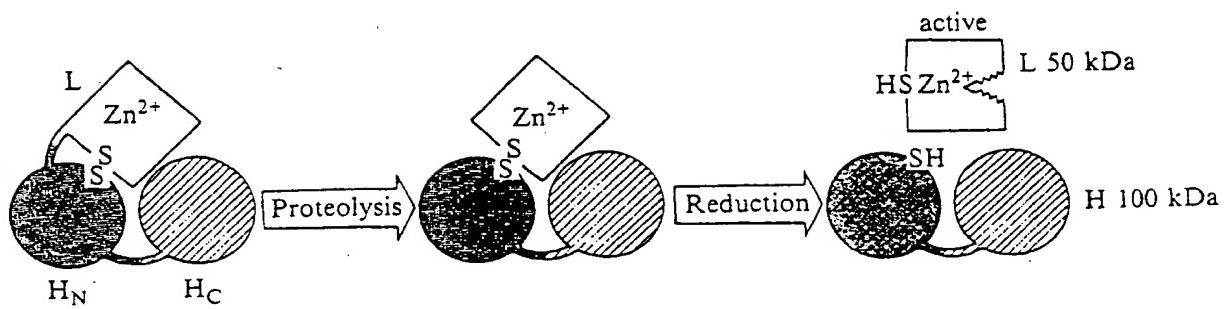


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FIGURE 1

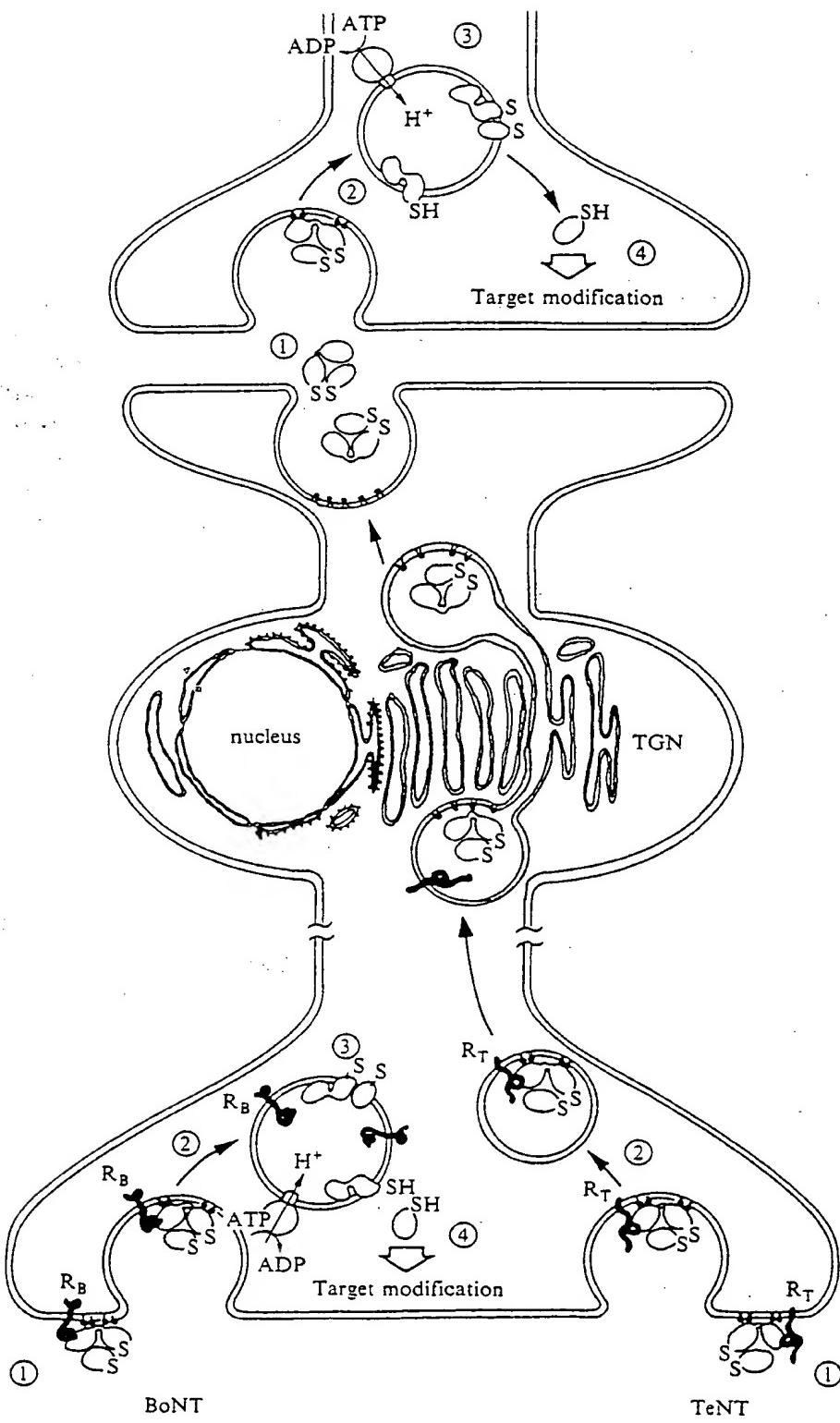


FIGURE 2

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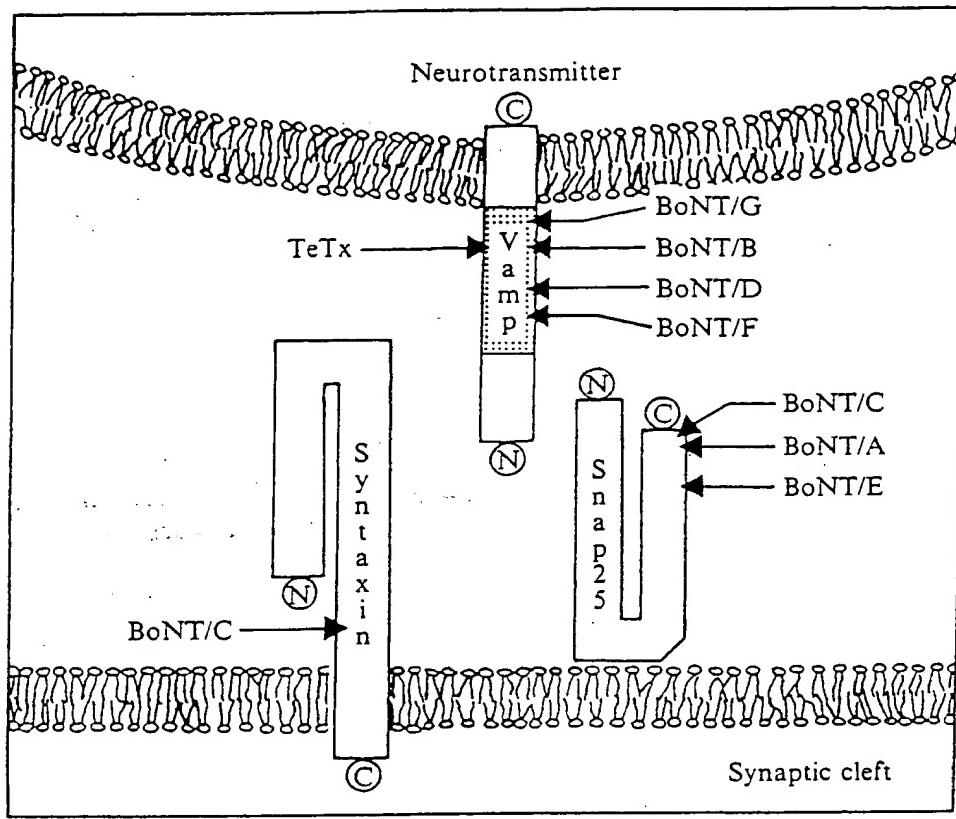
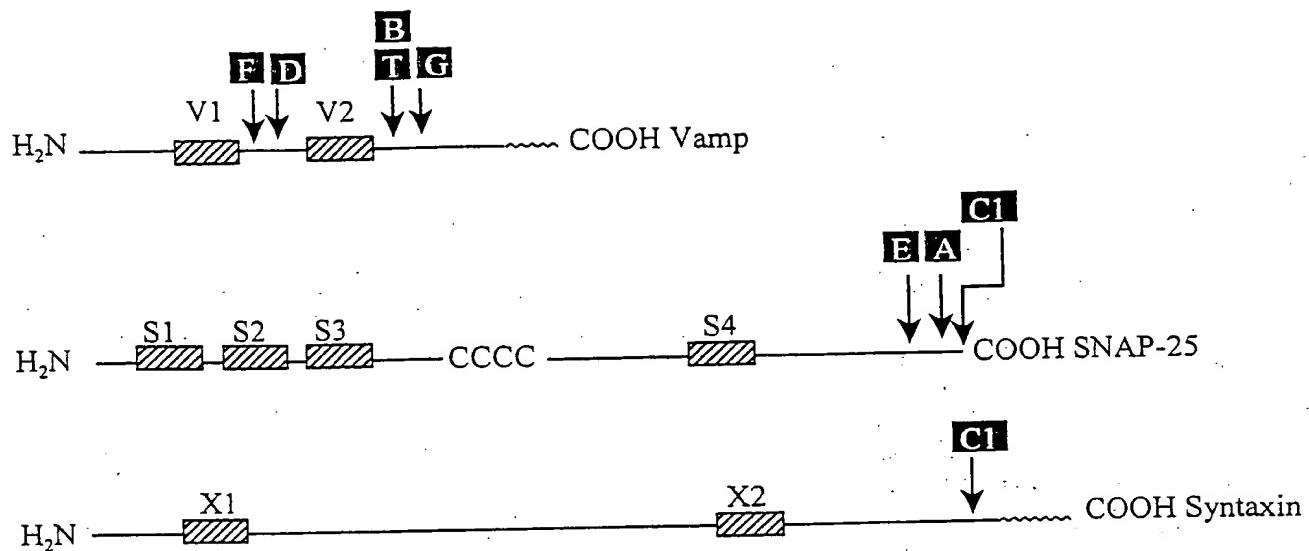


FIGURE 3

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A.



B.

$\text{h} \ominus \ominus \times \text{h} \ominus \times \text{h} \text{p}$

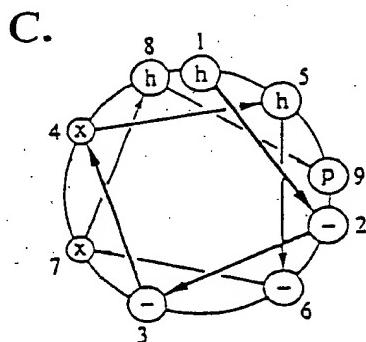


FIGURE 4

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1  
SNAP-25 Human (1) ----- MAEDADMRNNEELMERRADOLADESLESTRMLQVEEESKAGIPTVMDIEQEOELERIEEGMDIN  
SNAP-25 Mouse (1) ----- MAEDADMRNNEELMERRADOLADESLESTRMLQVEEESKAGIPTVMLDEQEQEQLERIEEGMDIN  
SNAP-25 Drosophila (1) MPADPSEEVAPOVKTEIPELQINAOGVADESLESTRMLQVEEESKAGIRTLVMDQGEQQLDRIEEGMDIN  
SNAP-25 Goldfish (1) ----- MAEDADMRNNEELTDMQARDQGDSELESSTRMLQVEEESKAGIRTLVMDQGEQQLDRIEEGMDIN  
SNAP-25 Sea Urchin (1) ----- MEDONDMMNRSELEEIQMOSNMOTIDESLESTRMLQMAEEESQDGIRTLVMDQGEQQLDRIEEGMDIN  
SNAP-25 Chicken (1) ----- MAEDADMRNNEELMERRADOLADESLESTRMLQVEEESKAGIRTLVMDQGEQQLDRVEEGMNHIN

150

76  
KDMREAENKLIDLGKFGCGICVCPDN ----- KLUSSDAYKKAWGNNODGVVAS-OPARAVDEROMAISGGFIRRVTN  
KDMREAENKLIDLGKFGCGICVCPDN ----- KLUSSDAYKKAWGNNODGVVAS-OPARAVDEROMAISGGFIRRVTN  
ADMREAENKLISGMERKCCGICVCPDNQSFKEDG ----- TWKGNDGKVNNQPCRMDRNGMMAOAGYIGRTIN  
ADMREAENKLIDLGNLCCGICVCPDN ----- GOSGNNNODGVVSS-OPARAVDEROMAISGGFIRRVTN  
KDMREAENKLIDLGKFGCGICVCPWKLGNFEKDDYKKTWKGNDDGKVNSHOPMRMEDDRDGGGNASMTIRTN  
TDMREAENKLIGLERKCGICVCPWKLGNFEKDDYKKTWKGNDDGKVNSHOPMRMEDDRDGGGNASMTIRTN  
QDMREAENKLIDLGKFGCGICVCPDN ----- KLUSSDAYKKAWGNNODGVVAS-OPARAVDEROMAISGGFIRRVTN

150

151  
DARENEMDENEOVSIGTGNLRHMATDMGNETDIONPQDRIMEKAIDSNKTRIDEAN---ORATKMLGSG-----  
DARENEMDENEOVSIGTGNLRHMATDMGNEDDIONPQDRIMEKAIDSNKTRIDEAN---ORATKMLGSG-----  
SNAP-25 Human (140) DARENEMDENEOVSIGTGNLRHMATDMGNEDDIONPQDRIMEKAIDSNKTRIDEAN---ORATKMLGSG-----  
SNAP-25 Mouse (140) DARENEMDENEOVSIGTGNLRHMATDMGNEDDIONPQDRIMEKAIDSNKTRIDEAN---ORAHQK-----  
SNAP-25 Drosophila (148) DAREDEMENMGQVNTMIGHLRHMATDMGNEDDIONPQDRIMADSNKTRIDEAN---ORATKMLGSG-----  
SNAP-25 Goldfish (137) DARENEMDENEOVSIGTGNLRHMATDMGNEDDIONPQDRIMADSNKTRIDEAN---ORAKNLRBNK-----  
SNAP-25 Sea Urchin (146) DAREDEMENLQVSIGTGNLRHMADMOSEIGAQNSQVGRITSKAESENGRINSAD---KRAK-----  
SNAP-25 Chicken (140) DARENEMDENEOVSIGTGNLRHMADDMGNEDDIONPQDRIMEKLIPTPGLMKPTSVCQFORCSAVVKCSKVHFL

225

226  
SNAP-25 Human (207) -----  
SNAP-25 Mouse (207) -----  
SNAP-25 Drosophila (213) -----  
SNAP-25 Goldfish (204) -----  
SNAP-25 Sea Urchin (213) -----  
SNAP-25 Chicken (215) LMISQRAVBSCFYHGTYLLGLHTCTYOPHCKCCPV

FIGURE 5

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1  
VAMP-1 HUMAN (1) MSAPAQPPAEGTEGTAPG-GGPPGPP-PNMSNRRIQQTQAQVEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ  
VAMP-2 HUMAN (1) ---MSATAATAAPPAAPAGEGGPPAPPNTTSNRRIQQTQAQVDEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ  
VAMP-2 MOUSE (1) ---MSATAATAVPAPPAAPAGEGGPPAPPNTTSNRRIQQTQAQVDEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ  
VAMP Bovine (1) ---MSATAATAVPAPPAAPAGEGGPPAPPNTTSNRRIQQTQAQVDEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ  
VAMP-2 Frog (1) ---MSAPAAAGPAAAAPGDGAPOGPP-NLISNRRIQQTQAQVDEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ  
VAMP Sea urchin (1) ---MAAPPPPQAPSNKRLQQTQAQVDEEVVDIIRVNIVDKVLERDOKLSLDDRADALQ

75  
123  
76  
VAMP-1 HUMAN (75) GASQFESSSAAKLKRKYWWKNCKMMIMIGAICAIIVVVIVIEST-----  
VAMP-2 HUMAN (73) GASQFETSSAAKLKRKYWWKNCKMMILIGVICAIIITIIVYEST-----  
VAMP-2 MOUSE (73) GASQFEISAAKLKRKYWWKNCKMMILIGVICAIIITIIVYEST-----  
VAMP Bovine (73) GASQFEASAALKKRKYWWKNCKMMILIGVICAIIITIIVYEST-----  
VAMP-2 Frog (71) GASQFETSSAAKLKRKYWWKNCKMMIIMGVICALIIITIIVYEST-----  
VAMP Sea urchin (57) GASQFETSSAAKLKRKYWWKNCKMMIHAIIIIIVAIIVSQKK

FIGURE 6

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